

IN THE CLAIMS

1. (currently amended) A substance dispensing device configured to indicate the extent to which said substance has been dispensed therefrom, said device having an axis along the longitudinal length of the device, said device comprising:

a substance storage container for containing said substance to be dispensed;

a pump, whereby each operation of said pump will dispense a predetermined percentage of said substance stored in said substance storage container;

an actuator biased towards a rest position and movable from said rest position to effect each operation of said pump and return to said rest position to enable subsequent operations of said pump, said actuator including drive means including a pair of axial drive lugs spaced apart in the direction of said axis, each of said pair of drive lugs including a sloping face;
and

a usage indicator including a movable member rotatable about said axis in response responsive to each operation of said pump, and indicator means associated with said movable member providing a visual indication of the extent to which said substance has been dispensed from said substance storage container, said movable member including reactive means comprising a pair of series of circumferentially arranged teeth, said teeth in each of said pair of series of circumferentially arranged teeth including a sloping face configured to sequentially cooperate with the sloping face of each of said pair of drive lugs to convert said axial movement of said actuator to rotational movement of said movable member about said axis, said sloping faces of each series of teeth being spaced apart in the direction of the axis,

whereby when said actuator is moved in the direction of said axis away from said rest position to effect each operation

of said pump one of said pair of drive lugs cooperates with one of said teeth in one of said pair of series of circumferentially arranged teeth to rotate such movable member about said axis and when said actuator returns to said rest position the other of said pair of drive lugs cooperates with one of said teeth in the other of said pair of series of circumferentially arranged teeth to further rotate said movable member about said axis.

2. (canceled).

3. (currently amended) A substance dispensing device according to claim 2, wherein each time said movable member is moved in response to movement of said actuator away from and back to said rest position, whereby ~~said movements of said movable member in response to movement of said actuator away from and back to said rest position~~ represents a single operation of said pump is represented on said usage indicator.

4. (canceled).

5. (Canceled).

6. (currently amended) A substance dispensing device according to claim ~~5~~ 1, wherein ~~said the~~ number of said teeth in said pair of two series of circumferentially arranged teeth is selected ~~according to~~ based upon the number of operations of said pump required to substantially exhaust said substance from said substance storage container.

7. (previously presented) A substance dispensing device according to claim 6, wherein said movable member comprises a first movable member, and said usage indicator includes a second movable member, said second movable member cooperating with said first movable member to move only after said first movable member has completed one revolution, whereby complete revolution of both said first and second movable members represents the number of operations of said pump required to substantially exhaust said substance from said substance storage container.

8. (previously presented) A substance dispensing device according to claim 1, including interlock means cooperable with said usage indicator, whereby said interlock means is activated after a predetermined number of operations of said pump to prevent further operation of said pump.

9. (previously presented) A substance dispensing device according to claim 1 including a hollow body for accommodating said substance storage container, said pump and said usage indicator, said hollow body having an aperture through which said indicator means is viewed.

10. (new) A substance dispensing device according to claim 1, wherein said pair of drive lugs are axially spaced so that one of said pair of drive lugs can engage one of said pair of series of circumferentially arranged teeth at any one time.

11. (new) A substance dispensing device according to claim 1, wherein said pair of series of circumferentially arranged teeth include a first series of teeth having an upwardly facing sloping face relative to said axis and a second series of teeth having a downwardly facing sloping face relative to said axis and wherein said pair of drive lugs include a first drive lug having a downwardly facing sloping face relative to said axis which cooperates with said upwardly facing sloping face of said first series of teeth and a second drive lug having an upwardly facing sloping face relative to said axis which cooperates with said downwardly facing sloping face of said second series of teeth.

12. (new) A substance dispensing device according to claim 7, wherein said first and second movable members are concentrically arranged, with said second movable member being seated within said first movable member.

13. (new) A substance dispensing device according to claim 12, including a releasable stop to hold said second movable member with said first movable member during said first

revolution, said releasable stop comprising a detent located in one of said first and second movable members and a cooperable recess located in the other of said first and second movable members.

14. (new) A substance dispensing device according to claim 13, wherein said detent is connected to said first or second movable members through a flexible arm.

15. (new) A substance dispensing device according to claim 12, wherein said indicator means comprises first indicator means associated with said first movable member and a second indicator means associated with said second movable member providing a visual indication associated with said first indicator means to form a continuous sequence of use indications of the extent to which said substance has been dispensed from said substance storage container.